



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)

| APPLICATION NO.  | FILING DATE | FIRST NAMED INVENTOR   | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|--|-------------|------------------------|---------------------|------------------|
| 09/886,916   | 06/21/2001  | Denis O'Leary          | 72167.000305        | 6660             |
| 21967 7590 12/07/2009<br>HUNTON & WILLIAMS LLP<br>INTELLECTUAL PROPERTY DEPARTMENT<br>1900 K STREET, N.W.<br>SUITE 1200<br>WASHINGTON, DC 20006-1109 |             |                        |                     |                  |
| EXAMINER<br>AKINTOLA, OLABODE  |             |                        |                     |                  |
| ART UNIT<br>3691   |             | PAPER NUMBER           |                     |                  |
| MAIL DATE<br>12/07/2009  |             | DELIVERY MODE<br>PAPER |                     |                  |

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

# Office Action Summary

**Application No.**

09/886,916

**Applicant(s)**

O'LEARY ET AL.

**Examiner**

OLABODE AKINTOLA

**Art Unit**

3691

**Period for Reply** -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 14 August 2009.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-93 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-93 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08)
- Paper No(s)/Mail Date 3/1/2007, 1/13/2009, 3/25/2009
- 4) ☐ Interview Summary (PTO-413)
- Paper No(s)/Mail Date: \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

**DETAILED ACTION**

***Status of Claims***

1. Claims 1-93 are currently pending.

***Claim Rejections - 35 USC § 112***

2. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

3. Claims 75-87 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 75 recites the limitation "wherein the account information" in line 20. There is insufficient antecedent basis for this limitation in the claim.

Claims 76-87 are similarly rejected by dependency.

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

Claims 1-14, 16-21, 23, 24, 26-59, 61-73, 75-86 and 88-93 are rejected under 35 U.S.C. 103(a) as being unpatentable over Levchin et al. (USPN 7089208) in view of "Information Technologies for the Control of Money Laundering", September 1995 (hereinafter referred to as "Money") .

Re claims 1, 20, 21, 43 and 89-93: Levchin discloses a system and method for electronically exchanging value among distributed users, comprising:

an account system operated by a first institution and tangibly embodied in a processing system, the account system maintaining electronic payment accounts for a plurality of customers of a first bank, at least one of the plurality of customers having a demand deposit account at the first bank (column 8 lines 38-47, column 12 lines 5-19);

a bank interface coupled to the at least one account system and coupled to the first bank, the bank interface transmitting and receiving financial information related to the demand deposit account of the at least one customer related to the electronic payment account of the at least one customer (figures 1, 3, and column 8 lines 38-47), the at least one account system funding the

electronic payment account of the at least one customer from the demand deposit account of the at least one customer (column 4 lines 48-52 and column 5 lines 45-54); and,

a customer interface couple to the at least one account system, the customer interface providing an interface for the plurality of customers to the at least one account system, the customer interface: accepting a command from a first customer to transfer funds from the first customer's electronic payment account to an electronic payment account of another customer, transferring the command to at least one account system and the account system effectuating the commanded transfer (figure 3, column 9 lines 4-19) such effectuating of the commanded transfer of funds including a pushing of funds to the electronic payment account of the another customer, the electronic payment account of the another customer being the demand deposit account (column 9 lines 4-19).

Levchin does not explicitly teach wherein in such pushing, payee account number of the another customer, the payee, is transmitted over a network without account information of the first customer, the payor, wherein the pushing of funds, without account information of the first customer, is constituted by the payee not being provided with information such that the payor account is identifiable to the payee.

Money teaches the concept of wire transfer mechanism (push-model), such that the pushing of funds is done without account information of the payee such that the payee cannot identify the payor account from which the funds are pushed (page 24, paragraphs 1 and 2, lines 1-20). Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify Levchin to include this feature for the obvious reason of keeping the sender's information confidential.

Re claim 2-6 and 8: Levchin teaches the account system automatically funds customer's electronic payment account, in real time, by withdrawing funds from the customer's demand deposit account at the first bank, wherein the funding is triggered by the balance falling below a threshold (column 5 line 55 – column 6 line 3).

Re claim 7: Levchin teaches the account is funded from a credit card (column 2 lines 36-44).

Re claims 9 and 47: Levchin teaches the funds are transferred through the Automated Clearing House system (column 5 lines 55-67).

Re claims 10 and 14: Levchin teaches automatically sweeping funds in the electronic payment account into a demand deposit account if a threshold is exceeded (column 5 line 55 – column 6 line 3).

Re claim 11: Levchin teaches wherein at least one accounting system automatically sweeps funds as soon as they are received in the at least on customer's electronic payment account (column 8 lines 38-41).

Re claim 12: Levchin teaches the account system automatically sweeps funds on a periodic basis (column 6 line 66 – column 7 line 15).

Re claim 13: Levchin teaches sweeping funds on a periodic basis, but fails to teach the periodic basis group of daily, weekly, and monthly. Official notice is taken that daily, weekly, and monthly are old and well-known interpretations of the term “periodically,” especially as it relates to financial transactions. Therefore, it would have been obvious to one of ordinary skill in the art at the time of the Applicant’s invention to modify “periodic” in the Levchin reference to include daily, weekly, and monthly.

Re claims 16 and 24: Levchin teaches a secure connection coupling the bank interface and the first bank (column 6 lines 4-17).

Re claims 17 and 18: Levchin teaches a secure connection between the financial server and the banking server, but fails to teach the secure connection being a private network or a direct dial connection. Official notice is taken that private networks and direct dial connections are old and well known in the art. It would have been obvious to one of ordinary skill in the art at the time of the Applicant’s invention to modify the teachings of Levchin to include private networks and direct dial connections as secure connections because it is desirable that financial transactions conducted over networks involve a high level of security when sending and receiving data.

Re claim 19: Levchin teaches the financial institutions may or may not be external to the system (column 5 lines 55-57), and therefore it is inherent that the institution may be a second bank.

Re claim 23: Levchin inherently teaches a plurality of additional account systems operated by the first institution, each of the plurality of additional account systems corresponding to a respective one of a plurality of additional banks, the plurality of additional account systems maintaining a second plurality of electronic payment accounts for respective customers of the plurality of additional banks. As described above in regards to claim 1, Levchin teaches that the first institution may or may not be external to the bank at which a customer holds an account. Additionally, it is well within the scope of the Levchin invention, that a customer may hold a demand deposit account at a second bank, while registering an electronic payment account at a separate institution.

Re claims 26, 27, 29, 44 and 45: Levchin teaches information related to the demand deposit account and electronic payment account of a customer is transferred over the electronic funds transfer network (column 2 line 36-44).

Re claims 28 and 46: Levchin fails to teach the EFT network is an Automated Teller Machine (ATM) network. Official notice is taken that ATM networks are old and well known in the art. It would have been obvious to one of ordinary skill in the art at the time of the Applicant's invention to modify the teachings of Levchin to include ATM networks because financial institutions use ATM networks to conduct user transactions, due to the convenience and



availability of ATMs to users, and it is desirable that the invention be integrated into already existing banking networks.

Re claims 30-33 and 48-51: Levchin teaches a customer directory containing an identification of each of the plurality of customers and a correspondence between the identifications and the electronic payment accounts, and where the identification includes an email address, a nickname, and a phone number (column 16 lines 1-20).

Re claims 61 and 65: Levchin teaches a payee directory, the payee directory containing at least one identification of the payee and a correspondence between the at least one identification and the payee account at the payee institution (col. 5, lines 5-16, col. 8, lines 31-57, col. 9, lines 4-8, fig. 1), a first software component coupled to the payee directory and tangibly embodied in a processing system, the first software component accepting the at least one identification and an amount of the payment from the payor, the first software component generating a payment instruction identifying the payee institution, the payee account, and an amount of the payment, and communicating the payment authorization to the payor institution (col. 5, line 55 – col. 6, line 3, col. 6, lines 36-41, col. 9, lines 4-19 and col. 12, lines 55-67), and a second software component at the payor institution coupled to the first software component and coupled to the EFT network, the second software component tangibly embodied in the processing system (figure 3), the second software component receiving the payment instruction and transmitting

from the payor institution to the payee institution through the EFT network, and wherein the EFT credit message represents a credit in the amount of the payment (col. 6, line 39-41, col. 9, line 4-19, col. 12, lines 5-35), the transmitting of the EFT credit message amounting to a pushing of funds from the payor to the payee, wherein the account information includes at least one selected from the group consisting of: account number, pin number, credit card number, bank name, financial merchant and expiration date of account (col. 8, lines 31-57).

Levchin does not explicitly teach wherein in such pushing, payee account number of the another customer, the payee, is transmitted over a network without account information of the first customer, the payor, wherein the pushing of funds, without account information of the first customer, is constituted by the payee not being provided with information such that the payor account is identifiable to the payee.

Money teaches the concept of wire transfer mechanism (push-model), such that the pushing of funds is done without account information of the payee such that the payee cannot identify the payor account from which the funds are pushed (page 24, paragraphs 1 and 2, lines 1-20). Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify Levchin to include this feature for the obvious reason of keeping the sender's information confidential.

Re claims 75 -78: Levchin teaches a system for effectuating an electronic payment between a payor and a payee using an Electronic Funds Transfer (EFT) network, the payor having a payor electronic payment account at a payor institution and the payee having a payee electronic

payment account at a payee institution, the payee further having a demand deposit account at the payee institution, the system comprising:

a first processor generating a payment identification identifying the payee institution, the first processor tangibly embodied in a processing system, the payee electronic payment account and an amount of the payment, the first processor further communicating the payment identification to the payor institution (col. 5, line 55 – col. 6, line 3); and

a second processor at the payor institution coupled to the first processor and coupled to the EFT network, the second processor tangibly embodied in the processing system, the second processor receiving the payment identification and communicating from the payor institution to the payee institution through the EFT network an EFT credit message representing a credit in the amount of the payment, the communicating of the EFT credit message amounting to a pushing of funds from the payor to the payee, wherein in such pushing a payee account number of the payee is transmitted over a network to identify the account to which the funds are pushed, the EFT credit message including identification information that includes all the information in the credit message that is unique to the payor (col. 9, lines 4-19), wherein the account information includes at least one selected from the group consisting of: account number, pin number, credit card number, bank name, financial merchant and expiration date of account (col. 8, lines 31-57).

Levchin does not explicitly teach that the identification information consists essentially of a transaction ID (identification), the transaction ID being an identification that is provided to the payor at the time of a transaction to which the electronic payment is associated.

Money teaches a reference for a transaction (equivalence of transaction ID) that is associated with the electronic payment (page 24, paragraph 3, lines 1-2). Therefore, it would

have been obvious to one of ordinary skill in the art at the time of the invention to modify Levchin to include this feature for the obvious reason associating the transaction ID or reference with the specific electronic payment.

Re claims 34-42, 52-59, 62-64, 66-73, 79-86: Levchin teaches a request for payment is communicated through an email facility, wherein the potential payor does not have an electronic payment account, wherein the payment request comprises a link to the system, whereby the potential payor can satisfy the request for payment through the system, and wherein the potential payor satisfies the request for payment by establishing an electronic payment account and making the requested payment (column 10 line 56 – column 11 line 38, and column 13 line 15-25).

Re claim 88: Levchin teaches the command from a first customer to transfer funds from the first customer's electronic payment account to an electronic payment account of another customer includes a payee account number of the payee (column 9 lines 28-31). Furthermore, Levchin teaches the identifier may be a number, such as a telephone number or a social security number (column 3 lines 63-67), which would serve as the payee account number.

Claims 60, 74, and 87 are rejected under 35 U.S.C. 103(a) as being unpatentable over Levchin in view of Money, as applied above, and further in view of Magness (USPN 6769605).

Re claims 60, 74, and 87: Levchin teaches a customer making a payment to a potential payee by establishing an electronic payment account and communicating a potential payment to the payment account. Levchin fails to teach a physical card linked to the potential payee electronic payment account wherein the physical card is sent to the potential payee.

Magness teaches a money transfer system in which payment is deposited into a payment account by a sender, and a physical card is sent to the payee, wherein the physical card may be used to access the payment account in order redeem or otherwise use the payment. It would have been obvious to one of ordinary skill in the art at the time of the Applicant's invention to modify the teachings of Levchin to include sending a physical payment access card to a potential payee because Levchin discloses the system may be used to transfer value from a customer who has an account to a customer who does not have an account, and it would be desirable that a potential payee not be required to obtain an account in order to receive payment, within the system described by Levchin.

Claims 15, 22, and 25 are rejected under 35 U.S.C. 103(a) as being unpatentable over Levchin in view of Money, as applied above, and further in view of Drummond et al (USPN 7080036).

Re claims 15, 22, and 25: Levchin fails to teach an interface configured such that when any of the customers of the plurality of additional banks access their respective account system, it appears that the customer's respective bank is operating the system.

Drummond teaches an automated banking machine development method, wherein a non-bank-specific banking interface is developed by an entity independent of the entity with which a customer holds an account, and wherein the customer is provided with interface outputs which suggests that the machine is one operated by the customer's particular bank or entity with whom they have an account relationship (column 14 lines 23-34). It would have been obvious to one of ordinary skill in the art at the time of the Applicant's invention to modify the teachings of Levchin to include transparency of the independent entity as described above because it is desirable to provide a customer with a familiar environment, including their bank's branding in order to build customer relationship and brand image.

### ***Response to Arguments***

Applicant's arguments with respect to claims have been considered but are moot in view of the new ground(s) of rejection.

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to OLABODE AKINTOLA whose telephone number is (571)272-3629. The examiner can normally be reached on M-F 8:30AM -5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Alexander Kalinowski can be reached on 571-272-6771. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Olabode Akintola/  
Examiner, Art Unit 3691